

## Electricity Unit – Learning at Home

Copy and paste the YouTube link into your internet browser and watch the video!

Bill Nye the Science Guy: Energy <https://www.youtube.com/watch?v=8qmSzMwTkpk>

1. Relating science and technology to society and the environment: 1.1

Main points in film:

You do not need to answer these questions, this is what you will learn from the film.

- What is energy?
- What is potential and kinetic energy?
- Home experiment using vinegar and baking soda.
- How one form of electricity can be changed to another.
- Methods of using energy to create electricity.
- Examples of chemical energy, wind energy, water energy, and electrical energy.

After watching the video see if you can answer these questions:

You do not have to write them down, just try to answer them out loud.

- What methods of creating electricity was shown in the video? **Example;** wind turbines.
  
- We have created water dams to produce electricity for our society. What effects might water dams cause on the environment? (Think of the wild life and plant life)
  
- We have created oil pumps that remove the Earth's oil from the ground so we can put it into our cars. What ways might these oil pumps affect our environment? (Think of the wild life and plant life)